

ABSTRACT

A microwave filter comprising a plurality of resonator cavities (1, 10) arrangement in more than two adjacent rows and more than two adjacent columns; each resonator cavity is coupled with at least a sequential adjacent resonator cavity for providing a main path for an electromagnetic energy to be transmitted from a first resonator cavity (1) to a last resonator cavity (10). The electromagnetic energy is injected in the first resonator cavity (1) by an input terminal (20) through an input coupling and the electromagnetic energy is extracted from the last resonator cavity (10) by an output terminal (21) through an output coupling, the first (1) and last (10) resonator cavities are non-sequential adjacent cavities.

Figure 2